

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,JPAB,EPAB	(purchase amount) same (selection or choice or alternate or alternative)	47	<u>L8</u>
USPT	suggest? same (product or items ) same (alternat?) and purchas?	1	<u>L7</u>
USPT	suggest? same (product? or items) same (alternat?) and purchas?	0	<u>L6</u>
USPT	suggest? same (product? or items) same (alternat?)	9	<u>L5</u>
USPT	suggest? same (product? or items)	2469	<u>L4</u>
USPT	purchase request and (purchase amount) same alternat?	0	<u>L3</u>
USPT	purchase request and (purchase amount)	13	<u>L2</u>
USPT	purchase request	150	<u>L1</u>

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	I3 and ((705/\$).ccls.)	73	<u>L5</u>
USPT	(merchant or vendor or seller) same I3	28	<u>L4</u>
USPT	(item or product or merchandise) same(alternate or equivalent or substitute) same (availabl? or (out near4 stock))	6163	<u>L3</u>
USPT	rain check	7	<u>L2</u>
USPT	rain check	7	<u>L1</u>

**WEST**[Generate Collection](#)

Search Results - Record(s) 1 through 70 of 73 returned.

☐ 1. Document ID: US 6092060 A

L5: Entry 1 of 73

File: USPT

Jul 18, 2000

US-PAT-NO: 6092060

DOCUMENT-IDENTIFIER: US 6092060 A

TITLE: Computer-aided methods and apparatus for assessing an organizational process or system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6085174 A

L5: Entry 2 of 73

File: USPT

Jul 4, 2000

US-PAT-NO: 6085174

DOCUMENT-IDENTIFIER: US 6085174 A

TITLE: Computer assisted and/or implemented process and architecture for administering an investment and/or retirement program

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6064986 A

L5: Entry 3 of 73

File: USPT

May 16, 2000

US-PAT-NO: 6064986

DOCUMENT-IDENTIFIER: US 6064986 A

TITLE: Computer assisted and/or implemented process and architecture for customer account creation, maintenance and administration for an investment and/or retirement program

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6061660 A

L5: Entry 4 of 73

File: USPT

May 9, 2000

US-PAT-NO: 6061660  
DOCUMENT-IDENTIFIER: US 6061660 A  
TITLE: System and method for incentive programs and award fulfillment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6061057 A

L5: Entry 5 of 73                      File: USPT                      May 9, 2000

US-PAT-NO: 6061057  
DOCUMENT-IDENTIFIER: US 6061057 A  
TITLE: Network commercial system using visual link objects

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6058379 A

L5: Entry 6 of 73                      File: USPT                      May 2, 2000

US-PAT-NO: 6058379  
DOCUMENT-IDENTIFIER: US 6058379 A  
TITLE: Real-time network exchange with seller specified exchange parameters and interactive seller participation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6058250 A

L5: Entry 7 of 73                      File: USPT                      May 2, 2000

US-PAT-NO: 6058250  
DOCUMENT-IDENTIFIER: US 6058250 A  
TITLE: Bifurcated transaction system in which nonsensitive information is exchanged using a public network connection and sensitive information is exchanged after automatically configuring a private network connection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6052667 A

L5: Entry 8 of 73

File: USPT

Apr 18, 2000

US-PAT-NO: 6052667

DOCUMENT-IDENTIFIER: US 6052667 A

TITLE: Method and apparatus for selling an aging food  
product as a substitute for an ordered product

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: US 6035284 A

L5: Entry 9 of 73

File: USPT

Mar 7, 2000

US-PAT-NO: 6035284

DOCUMENT-IDENTIFIER: US 6035284 A

TITLE: System and method for product rationalization

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 10. Document ID: US 6017157 A

L5: Entry 10 of 73

File: USPT

Jan 25, 2000

US-PAT-NO: 6017157

DOCUMENT-IDENTIFIER: US 6017157 A

TITLE: Method of processing digital images and distributing  
visual prints produced from the digital images

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 11. Document ID: US 6016479 A

L5: Entry 11 of 73

File: USPT

Jan 18, 2000

US-PAT-NO: 6016479

DOCUMENT-IDENTIFIER: US 6016479 A

TITLE: Computer-based system, computer program product and  
method for recovering tax revenue

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 12. Document ID: US 6014634 A

L5: Entry 12 of 73

File: USPT

Jan 11, 2000

US-PAT-NO: 6014634

DOCUMENT-IDENTIFIER: US 6014634 A

TITLE: System and method for providing shopping aids and incentives to customers through a computer network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 13. Document ID: US 6011550 A

L5: Entry 13 of 73

File: USPT

Jan 4, 2000

US-PAT-NO: 6011550

DOCUMENT-IDENTIFIER: US 6011550 A

TITLE: Method and system for expanding and contracting point of sale scrolling lists

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 14. Document ID: US 6012044 A

L5: Entry 14 of 73

File: USPT

Jan 4, 2000

US-PAT-NO: 6012044

DOCUMENT-IDENTIFIER: US 6012044 A

TITLE: User interface for a financial advisory system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 15. Document ID: US 5995949 A

L5: Entry 15 of 73

File: USPT

Nov 30, 1999

US-PAT-NO: 5995949

DOCUMENT-IDENTIFIER: US 5995949 A

TITLE: Automated transaction apparatus

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 16. Document ID: US 5991732 A

L5: Entry 16 of 73

File: USPT

Nov 23, 1999

US-PAT-NO: 5991732  
DOCUMENT-IDENTIFIER: US 5991732 A  
TITLE: Strategic-tactical logistic system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 17. Document ID: US 5991876 A

L5: Entry 17 of 73                      File: USPT                      Nov 23, 1999

US-PAT-NO: 5991876  
DOCUMENT-IDENTIFIER: US 5991876 A  
TITLE: Electronic rights management and authorization system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 18. Document ID: US 5974395 A

L5: Entry 18 of 73                      File: USPT                      Oct 26, 1999

US-PAT-NO: 5974395  
DOCUMENT-IDENTIFIER: US 5974395 A  
TITLE: System and method for extended enterprise planning  
across a supply chain

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 19. Document ID: US 5970469 A

L5: Entry 19 of 73                      File: USPT                      Oct 19, 1999

US-PAT-NO: 5970469  
DOCUMENT-IDENTIFIER: US 5970469 A  
TITLE: System and method for providing shopping aids and  
incentives to customers through a computer network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 20. Document ID: US 5968110 A

L5: Entry 20 of 73                      File: USPT                      Oct 19, 1999

US-PAT-NO: 5968110  
DOCUMENT-IDENTIFIER: US 5968110 A  
TITLE: Method and apparatus for an interactive on line  
catalog system for facilitating international, cross-border  
transactions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 21. Document ID: US 5966697 A

L5: Entry 21 of 73                      File: USPT                      Oct 12, 1999

US-PAT-NO: 5966697  
DOCUMENT-IDENTIFIER: US 5966697 A  
TITLE: System and method for secure transaction order  
management processing

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 22. Document ID: US 5963939 A

L5: Entry 22 of 73                      File: USPT                      Oct 5, 1999

US-PAT-NO: 5963939  
DOCUMENT-IDENTIFIER: US 5963939 A  
TITLE: Method and apparatus for an incremental editor  
technology

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 23. Document ID: US 5948040 A

L5: Entry 23 of 73                      File: USPT                      Sep 7, 1999

US-PAT-NO: 5948040  
DOCUMENT-IDENTIFIER: US 5948040 A  
TITLE: Travel reservation information and planning system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 24. Document ID: US 5930771 A

L5: Entry 24 of 73                      File: USPT                      Jul 27, 1999



US-PAT-NO: 5930771  
DOCUMENT-IDENTIFIER: US 5930771 A  
TITLE: Inventory control and remote monitoring apparatus and  
method for coin-operable vending machines

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 25. Document ID: US 5923016 A

L5: Entry 25 of 73                      File: USPT                      Jul 13, 1999

US-PAT-NO: 5923016  
DOCUMENT-IDENTIFIER: US 5923016 A  
TITLE: In-store points redemption system & method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 26. Document ID: US 5924078 A

L5: Entry 26 of 73                      File: USPT                      Jul 13, 1999

US-PAT-NO: 5924078  
DOCUMENT-IDENTIFIER: US 5924078 A  
TITLE: Consumer-provided promotional code actuatable  
point-of-sale discounting system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 27. Document ID: US 5918217 A

L5: Entry 27 of 73                      File: USPT                      Jun 29, 1999

US-PAT-NO: 5918217  
DOCUMENT-IDENTIFIER: US 5918217 A  
TITLE: User interface for a financial advisory system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 28. Document ID: US 5884292 A

L5: Entry 28 of 73                      File: USPT                      Mar 16, 1999

US-PAT-NO: 5884292  
DOCUMENT-IDENTIFIER: US 5884292 A  
TITLE: System for smart card funds refill

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 29. Document ID: US 5878416 A

L5: Entry 29 of 73                      File: USPT                      Mar 2, 1999

US-PAT-NO: 5878416  
DOCUMENT-IDENTIFIER: US 5878416 A  
TITLE: Automated system and method for matching an item of  
business property to a recipient

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 30. Document ID: US 5867821 A

L5: Entry 30 of 73                      File: USPT                      Feb 2, 1999

US-PAT-NO: 5867821  
DOCUMENT-IDENTIFIER: US 5867821 A  
TITLE: Method and apparatus for electronically accessing and  
distributing personal health care information and services  
in hospitals and homes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 31. Document ID: US 5839117 A

L5: Entry 31 of 73                      File: USPT                      Nov 17, 1998

US-PAT-NO: 5839117  
DOCUMENT-IDENTIFIER: US 5839117 A  
TITLE: Computerized event-driven routing system and method  
for use in an order entry system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 32. Document ID: US 5835896 A

L5: Entry 32 of 73                      File: USPT                      Nov 10, 1998

US-PAT-NO: 5835896  
DOCUMENT-IDENTIFIER: US 5835896 A  
TITLE: Method and system for processing and transmitting  
electronic auction information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 33. Document ID: US 5832459 A

L5: Entry 33 of 73                      File: USPT                      Nov 3, 1998

US-PAT-NO: 5832459  
DOCUMENT-IDENTIFIER: US 5832459 A  
TITLE: Computerized source searching system and method for  
use in an order entry system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 34. Document ID: US 5774874 A

L5: Entry 34 of 73                      File: USPT                      Jun 30, 1998

US-PAT-NO: 5774874  
DOCUMENT-IDENTIFIER: US 5774874 A  
TITLE: Multi-merchant gift registry

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 35. Document ID: US 5774885 A

L5: Entry 35 of 73                      File: USPT                      Jun 30, 1998

US-PAT-NO: 5774885  
DOCUMENT-IDENTIFIER: US 5774885 A  
TITLE: System and method for combining individual statements  
into a single mailing envelope

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 36. Document ID: US 5765142 A

L5: Entry 36 of 73                      File: USPT                      Jun 9, 1998

US-PAT-NO: 5765142  
DOCUMENT-IDENTIFIER: US 5765142 A  
TITLE: Method and apparatus for the development and  
implementation of an interactive customer service system  
that is dynamically responsive to change in marketing  
decisions and environments

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 37. Document ID: US 5765143 A

L5: Entry 37 of 73                      File: USPT                      Jun 9, 1998

US-PAT-NO: 5765143  
DOCUMENT-IDENTIFIER: US 5765143 A  
TITLE: Method and system for inventory management

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 38. Document ID: US 5754981 A

L5: Entry 38 of 73                      File: USPT                      May 19, 1998

US-PAT-NO: 5754981  
DOCUMENT-IDENTIFIER: US 5754981 A  
TITLE: Gift registry apparatus and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 39. Document ID: US 5745569 A

L5: Entry 39 of 73                      File: USPT                      Apr 28, 1998

US-PAT-NO: 5745569  
DOCUMENT-IDENTIFIER: US 5745569 A  
TITLE: Method for stega-cipher protection of computer code

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 40. Document ID: US 5740425 A

L5: Entry 40 of 73                      File: USPT                      Apr 14, 1998

US-PAT-NO: 5740425  
DOCUMENT-IDENTIFIER: US 5740425 A  
TITLE: Data structure and method for publishing electronic  
and printed product catalogs

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 41. Document ID: US 5721912 A

L5: Entry 41 of 73                      File: USPT                      Feb 24, 1998

US-PAT-NO: 5721912  
DOCUMENT-IDENTIFIER: US 5721912 A  
TITLE: Graphical user interface for creating database  
integration specifications

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 42. Document ID: US 5721832 A

L5: Entry 42 of 73                      File: USPT                      Feb 24, 1998

US-PAT-NO: 5721832  
DOCUMENT-IDENTIFIER: US 5721832 A  
TITLE: Method and apparatus for an interactive computerized  
catalog system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 43. Document ID: US 5717866 A

L5: Entry 43 of 73                      File: USPT                      Feb 10, 1998

US-PAT-NO: 5717866  
DOCUMENT-IDENTIFIER: US 5717866 A  
TITLE: Method for comparative analysis of consumer response  
to product promotions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 44. Document ID: US 5682482 A

L5: Entry 44 of 73                      File: USPT                      Oct 28, 1997

US-PAT-NO: 5682482  
DOCUMENT-IDENTIFIER: US 5682482 A  
TITLE: Facilitating the supplying of services in a network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 45. Document ID: US 5634100 A

L5: Entry 45 of 73                      File: USPT                      May 27, 1997

US-PAT-NO: 5634100  
DOCUMENT-IDENTIFIER: US 5634100 A  
TITLE: System and method for event parameter interdependence  
and adjustment with pen input

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 46. Document ID: US 5634016 A

L5: Entry 46 of 73                      File: USPT                      May 27, 1997

US-PAT-NO: 5634016  
DOCUMENT-IDENTIFIER: US 5634016 A  
TITLE: Event management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 47. Document ID: US 5596639 A

L5: Entry 47 of 73                      File: USPT                      Jan 21, 1997

US-PAT-NO: 5596639  
DOCUMENT-IDENTIFIER: US 5596639 A  
TITLE: CD-PROM

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 48. Document ID: US 5592378 A

L5: Entry 48 of 73                      File: USPT                      Jan 7, 1997

US-PAT-NO: 5592378  
DOCUMENT-IDENTIFIER: US 5592378 A  
TITLE: Computerized order entry system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 49. Document ID: US 5563947 A

L5: Entry 49 of 73                      File: USPT                      Oct 8, 1996

US-PAT-NO: 5563947  
DOCUMENT-IDENTIFIER: US 5563947 A  
TITLE: CD-PROM

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 50. Document ID: US 5523794 A

L5: Entry 50 of 73                      File: USPT                      Jun 4, 1996

US-PAT-NO: 5523794  
DOCUMENT-IDENTIFIER: US 5523794 A  
TITLE: Method and apparatus for portable storage and use of  
data transmitted by television signal

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 51. Document ID: US 5452203 A

L5: Entry 51 of 73                      File: USPT                      Sep 19, 1995

US-PAT-NO: 5452203  
DOCUMENT-IDENTIFIER: US 5452203 A  
TITLE: Methods and apparatus for correcting customer address  
lists

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 52. Document ID: US 5446671 A

L5: Entry 52 of 73                      File: USPT                      Aug 29, 1995

US-PAT-NO: 5446671  
DOCUMENT-IDENTIFIER: US 5446671 A  
TITLE: Look-ahead method for maintaining optimum queued  
quantities of in-process parts at a manufacturing bottleneck

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 53. Document ID: US 5406477 A

L5: Entry 53 of 73                      File: USPT                      Apr 11, 1995

US-PAT-NO: 5406477  
DOCUMENT-IDENTIFIER: US 5406477 A  
TITLE: Multiple reasoning and result reconciliation for  
enterprise analysis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 54. Document ID: US 5315509 A

L5: Entry 54 of 73                      File: USPT                      May 24, 1994

US-PAT-NO: 5315509  
DOCUMENT-IDENTIFIER: US 5315509 A  
TITLE: Artificial intelligence system for item analysis for  
rework shop orders

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 55. Document ID: US 5262938 A

L5: Entry 55 of 73                      File: USPT                      Nov 16, 1993

US-PAT-NO: 5262938  
DOCUMENT-IDENTIFIER: US 5262938 A  
TITLE: Food services routing system including seating  
location display

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 56. Document ID: US 5195172 A

L5: Entry 56 of 73                      File: USPT                      Mar 16, 1993



US-PAT-NO: 5195172  
DOCUMENT-IDENTIFIER: US 5195172 A  
TITLE: System and method for representing and solving  
numeric and symbolic problems

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 57. Document ID: US 5189606 A

L5: Entry 57 of 73                      File: USPT                      Feb 23, 1993

US-PAT-NO: 5189606  
DOCUMENT-IDENTIFIER: US 5189606 A  
TITLE: Totally integrated construction cost estimating,  
analysis, and reporting system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 58. Document ID: US 5177688 A

L5: Entry 58 of 73                      File: USPT                      Jan 5, 1993

US-PAT-NO: 5177688  
DOCUMENT-IDENTIFIER: US 5177688 A  
TITLE: Assembly line balancer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 59. Document ID: US 5153825 A

L5: Entry 59 of 73                      File: USPT                      Oct 6, 1992

US-PAT-NO: 5153825  
DOCUMENT-IDENTIFIER: US 5153825 A  
TITLE: Paint formula retrieval and management system and  
method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 60. Document ID: US 5128752 A

L5: Entry 60 of 73                      File: USPT                      Jul 7, 1992

US-PAT-NO: 5128752  
DOCUMENT-IDENTIFIER: US 5128752 A  
TITLE: System and method for generating and redeeming tokens

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 61. Document ID: US 5101352 A

L5: Entry 61 of 73                      File: USPT                      Mar 31, 1992

US-PAT-NO: 5101352  
DOCUMENT-IDENTIFIER: US 5101352 A  
TITLE: Material requirements planning system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 62. Document ID: US 5053956 A

L5: Entry 62 of 73                      File: USPT                      Oct 1, 1991

US-PAT-NO: 5053956  
DOCUMENT-IDENTIFIER: US 5053956 A  
TITLE: Interactive system for retail transactions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 63. Document ID: US 5029098 A

L5: Entry 63 of 73                      File: USPT                      Jul 2, 1991

US-PAT-NO: 5029098  
DOCUMENT-IDENTIFIER: US 5029098 A  
TITLE: Vend space allocation monitor means and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 64. Document ID: US 4992940 A

L5: Entry 64 of 73                      File: USPT                      Feb 12, 1991

US-PAT-NO: 4992940

DOCUMENT-IDENTIFIER: US 4992940 A

TITLE: System and method for automated selection of  
equipment for purchase through input of user desired  
specifications

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 65. Document ID: US 4964053 A

L5: Entry 65 of 73

File: USPT

Oct 16, 1990

US-PAT-NO: 4964053

DOCUMENT-IDENTIFIER: US 4964053 A

TITLE: Self-checkout of produce items

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 66. Document ID: US 4906828 A

L5: Entry 66 of 73

File: USPT

Mar 6, 1990

US-PAT-NO: 4906828

DOCUMENT-IDENTIFIER: US 4906828 A

TITLE: Electronic money purse and fund transfer system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 67. Document ID: US 4839804 A

L5: Entry 67 of 73

File: USPT

Jun 13, 1989

US-PAT-NO: 4839804

DOCUMENT-IDENTIFIER: US 4839804 A

TITLE: Method and apparatus for insuring the funding of a  
future liability of uncertain cost

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 68. Document ID: US 4799156 A

L5: Entry 68 of 73

File: USPT

Jan 17, 1989

US-PAT-NO: 4799156  
DOCUMENT-IDENTIFIER: US 4799156 A  
TITLE: Interactive market management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 69. Document ID: US 4752877 A

L5: Entry 69 of 73                      File: USPT                      Jun 21, 1988

US-PAT-NO: 4752877  
DOCUMENT-IDENTIFIER: US 4752877 A  
TITLE: Method and apparatus for funding a future liability  
of uncertain cost

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 70. Document ID: US 4479189 A

L5: Entry 70 of 73                      File: USPT                      Oct 23, 1984

US-PAT-NO: 4479189  
DOCUMENT-IDENTIFIER: US 4479189 A  
TITLE: Utility and hydrogen conservation in hydrogen recycle  
processes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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Generate Collection

Term	Documents
705/\$	0
705/1.USPT.	364
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(L3 AND ((705/\$).CCLS.) ).USPT.	73

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Documents, starting with Document:

Display Format:

File 350:DERWENT WPIX 1-2000/UD=, UM=, & UP=200038

(c) 2000 Derwent Info Ltd

File 347:JAPIO Oct 1976-2000/Apr(UPDATED 000816)

(c) 2000 JPO & JAPIO

Set	Items	Description
S1	954	(SUGGEST? OR ADVICE? OR ADVISE? OR RECOMMEND? OR GUIDE?) (-N4) (ALTERNATIVE? OR ANOTHER?(N2)PRODUCT? OR ANOTHER?(N2)ITEM? OR SUBSTITUTION? OR REPLACEMENT? OR SUBSTITUTE?)
S2	1725	(PURCHAS? OR TRANSACTION? OR SHOPPING? OR BUYING? ) (N3) (-GIFT? OR ITEM? OR MERCHANDISE? OR RETAIL? OR PRODUCT?)
S3	0	S1 (N5) (VENDOR? OR SALESPERSON? OR MERCHANT?)
S4	1	S1 (N10) (DATABASE? OR REGISTRY? OR INTERACTIVE?(N4)SYSTEM? OR GIFT(N4)SYSTEM?)
S5	233	(PURCHAS? OR PAYMENT? OR BOUGHT OR BUY? ) (N10) ((MULTIPL? OR NUMBER? OR PLURALITY? OR MULTITUD? OR NUMEROUS?) (N5) (PURCHASER? OR BUYER? OR CUSTOMER? OR CONSUMER? OR PATRON? OR GUEST? OR HOUSEHOLD?))
S6	5	S1 AND (DATABASE? OR REGISTRY? OR INTERACTIV?(N2)SYSTEM? OR GIFT?(N2)SYSTEM?)
S7	0	S1 AND (VENDOR? OR SALESPERSON? OR MERCHANT?)
S8	20	S5 AND (DATABASE? OR REGISTRY? OR INTERACTIV?(N2)SYSTEM? OR GIFT?(N2)SYSTEM?)
S9	0	S1 AND S2
S10	954	S1(N10) (SUGGEST? OR ADVICE? OR ADVISE? OR RECOMMEND? OR GUIDE?)
S11	5	S10 AND (DATABASE? OR REGISTRY? OR INTERACTIV?(N3)SYSTEM? - OR GIFT?(N2)SYSTEM?)

only highlighted text

KWIC text reviewed 8/18/02

6/7/1 (Item 1 from file: 350)  
DIALOG(R)File 350:DERWENT WPIX  
(c) 2000 Derwent Info Ltd. All rts. reserv.

012615732 \*\*Image available\*\*  
WPI Acc No: 1999-421836/199936

**On-board navigation system for motor vehicle**  
Patent Assignee: RENAULT SA (RENA ); REGIE NAT USINES RENAULT (RENA )  
Inventor: LETEMPLE J P; MOUSSA R; ROUSSEAU C; LETEMPLE J  
Number of Countries: 020 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2772498	A1	19990618	FR 9715804	A	19971212	199936 B
WO 9931638	A1	19990624	WO 98FR2697	A	19981211	199936

Priority Applications (No Type Date): FR 9715804 A 19971212

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2772498	A1		25	G08G-001/0968	
WO 9931638	A1	F		G08G-001/0968	

Designated States (National): BR JP  
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

Abstract (Basic): FR 2772498 A1

NOVELTY - The navigation aid has a locating module, a traffic data receiver and a navigation **database** . The aid uses a permanent learning phase which automatically identifies parts of the route, and uses real-time traffic data sources to gather current traffic conditions. The route is stored as route sections traversed. Information is displayed to the driver in vocal, graphic or textual format.

USE - On-board navigation aids fitted to motor vehicles

ADVANTAGE - Allows easy designation of itinerary which can be stored permanently, and makes use of local traffic information to **suggest alternative** routes.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the system.

pp; 25 DwgNo 1/6

Derwent Class: S02; X22

International Patent Class (Main): G08G-001/0968

6/7/2 (Item 2 from file: 350)  
DIALOG(R)File 350:DERWENT WPIX  
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012345788 \*\*Image available\*\*  
WPI Acc No: 1999-151895/199913

**Finding and correcting homonyms in dictated text - involves facilitating correction of text previously dictated into speech recognition system, highlighting words with homonyms, and displaying alternatives**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: IBMC

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RD 418064	A	19990210	RD 99418064	A	19990120	199913 B

Priority Applications (No Type Date): RD 99418064 A 19990120

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
RD 418064	A		1	G06F-000/00	

Abstract (Basic): RD 418064 A

The method is applied to words which sound similar, as well as to words which are true homonyms. Text, previously dictated into a speech recognition system, containing homonyms is displayed, with the homonyms highlighted. Similar sounding words are displayed as **suggested**

alternatives , from database .

ADVANTAGE - Prevents mix ups with dictated words.

Dwg.1/1

Derwent Class: T01

International Patent Class (Main): G06F-000/00

6/7/3 (Item 3 from file: 350)

DIALOG(R)File 350:DERWENT WPIX

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012202417 \*\*Image available\*\*

WPI Acc No: 1999-008523/199901

**System for processing data relating to drug usage by patient - gives information on drugs available, drug cost, and side effects, uses patient data to determine most suitable drug and dosage**

Patent Assignee: MULTUM INFORMATION SERVICES (MULT-N)

Inventor: AUSTIN J L; AWEKA F T; GAMBERTOGLIO J G; HEILAND C D; MCNAMARA T J; SCHRIER D M; SCHRIER R W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5833599	A	19981110	US 93167286	A	19931213	199901 B
			US 96629763	A	19960409	

Priority Applications (No Type Date): US 93167286 A 19931213; US 96629763 A 19960409

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5833599	A	43	A61B-005/00	Cont of application US 93167286

Abstract (Basic): US 5833599 A

A system processes data relating to the use of an index drug. The index drug is identified together with a **database** which gives information about the index drug and other chemically distinct drugs. A patient profile is also accessed. This contains information about the patient's age, kidney function, liver function and the clinical condition for which the index drug would be used. The drug **database** and patient profile are used to calculate a dosage recommendation for the index drug. The **database** can be used to calculate a cost per unit time of treatment for the index drug and for the chemically distinct drug.

USE - For providing patient-specific drug information.

ADVANTAGE - The system can optimise drug usage for a specific patient, and supply warnings of possible side-effects and allergic reactions. **Alternative** cheaper drugs can be **recommended** .

Dwg.1/22

Derwent Class: B07; P31

International Patent Class (Main): A61B-005/00

6/7/4 (Item 4 from file: 350)

DIALOG(R)File 350:DERWENT WPIX

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008455091 \*\*Image available\*\*

WPI Acc No: 1990-342091/199046

**Expert system directly maintaining remote telephone switching systems - accesses fault report from service centre, makes computer diagnosis and clears fault or reports it to technician**

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT )

Inventor: DANIEL W F; LOEB K C; ROUSH C S

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2002018	A	19900831	CA 2002018	A	19891101	199046 B
US 4972453	A	19901120	US 89317232	A	19890228	199049
CA 2002018	C	19940531	CA 2002018	A	19891101	199427



Priority Applications (No Type Date): US 89317232 A 19890228

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing	Notes
CA 2002018		C			H04M-003/10		

Abstract (Basic): CA 2002018 A

The expert system accesses a fault report from a centralised service reporting centre and establishes a data connection to the computer system reporting the fault, invoking diagnostic routines on the computer system to gather data about the reported fault. The data is analysed and, if appropriate the reported fault cleared from the computer system.

If the fault cannot be cleared, the expert system **recommends** maintenance procedures and **replacement** parts for a technician who the expert system dispatches to the remote computer. The recommendations are based on field experience stored in rules and **databases** maintained by the expert system. When the remote computer system is controlling a customer switching Private Branch Exchange (PBX), the expert system only invokes testing procedures in the computer system which do not disrupt stable telephone calls. The expert system accesses the PBX via the public telephone network.

USE - Autonomous expert system for directly maintaining remote computer systems by directly accessing, diagnosing, and clearing fault conditions on those computer systems. (51pp Dwg.No.1/36

Abstract (Equivalent): US 4972453 A

The autonomous expert system directly maintains remote computer systems by directly accessing the remote computer systems, diagnosing, and clearing fault conditions on those computer systems.

The expert system performs those functions by first accessing a fault report from a centralised service reporting centre, establishing a data connection to the computer system reporting the fault, invoking diagnostic routines on the computer system to gather data about the reported fault, analysing the data, and if appropriate, clearing the reported fault from the computer system.

If the fault cannot be cleared, the expert system **recommends** maintenance procedures and **replacement** parts for a technician who the expert system dispatches to the remote computer. The recommendations are based on field experience stored in rules and **databases** maintained by the expert system.

When the remote computer system is controlling a customer switching system (PBX), the expert system only invokes testing procedures in the computer system which do not disrupt stable telephone calls.

The expert system access the PBX via the public telephone network.  
(37pp

Derwent Class: T01; W01

International Patent Class (Main): H04M-003/10

6/7/5 (Item 5 from file: 350)

DIALOG(R)File 350:DERWENT WPIX

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004315227

WPI Acc No: 1985-142105/198524

**Slide casting gate with two holes - having linear drive and passive rotating framework to ensure easy movement**

Patent Assignee: STOPINC AG (STOQ )

Inventor: ARNOLD G; FRICKER R; SCHILTKNEC B; TROXLER B

Number of Countries: 013 Number of Patents: 019

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3433558	A	19850605	DE 3433558	A	19840913	198524 B
GB 2149888	A	19850619	GB 8429024	A	19841116	198525
FR 2555081	A	19850524	FR 8417457	A	19841115	198526
SE 8405747	A	19850519				198527
ZA 8408971	A	19850521	ZA 848971	A	19841116	198535
JP 60174251	A	19850907	JP 84242595	A	19841119	198542

ES 8506873	A	19851126				198609
DE 3433558	C	19860731				198631
US 4601416	A	19860722	US 84668823	A	19841106	198632
GB 2183186	A	19870603	GB 8628326	A	19861127	198722
GB 2149888	B	19880106				198801
GB 2183186	B	19880106				198801
CH 663366	A	19871215				198803
CA 1234490	A	19880329				198817
CH 665977	A	19880630				198828
JP 88030104	B	19880616				198828
SU 1373304	A	19880207	SU 3812263	A	19841112	198834
AT 8403606	A	19890115				198908
IT 1178614	B	19870909				199035

Priority Applications (No Type Date): CH 843900 A 19840814; CH 836201 A 19831118; US 84668823 A 19841106

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3433558	A		23		

Abstract (Basic): DE 3433558 A

Tapping gate for molten metal comprising a fixed seal plate and a movable seal plate with two openings and a sealing region whereby the drive mechanism to move the movable plate consists of a linear drive and passive rotating framework which together guide the seal plate along one of the two directions (x,y) to line up one of the two openings to commence casting.

Pref. the passive framework moves from one position (a) to another (b) when movement is from (x) to (y). Angle between (x and y) is 60 deg. The intersection through the centre of the two openings defines the sealing region. The guiding means are formed from two guide arms which move between restricted limits and work with four guide surfaces acting in pairs and parallel. **Alternatively**, the **guide** means can be two pairs of slits with flanks into which pins slot, these pins being fixed to the holding frame of the movable plate. Another alternative is a movable plate with holes in the holding framework in which the moving plate is located. Centre of radius of the two curves (x,y), which pass through the openings correspond to these holes and by alternately fixing from one hole each opening can be brought in to casting position.

ADVANTAGE - Device is of simple construction and the drive mechanism is inexpensive.

0/9

Abstract (Equivalent): DE 3433558 C

Tapping gate for molten metal comprising a fixed seal plate and a movable seal plate with two openings and a sealing region whereby the drive mechanism to move the movable plate consists of a linear drive and passive rotating framework which together guide the seal plate along one of the two directions (x,y) to line up one of the two openings to commence casting.

Pref. the passive framework moves from one position (a) to another (b) when movement is from (x) to (y). Angle between (x and y) is 60 deg. The intersection through the centre of the two openings defines the sealing region. The guiding means are formed from two guide arms which move between restricted limits and work with four guide surfaces acting in pairs and parallel. **Alternatively**, the **guide** means can be two pairs of slits with flanks into which pins slot, these pins being fixed to the holding frame of the movable plate. Another alternative is a movable plate with holes in the holding framework in which the moving plate is located. Centre of radius of the two curves (x,y), which pass through the openings correspond to these holes and by alternately fixing from one hole each opening can be brought in to casting position.

ADVANTAGE - Device is of simple construction and the drive mechanism is inexpensive. (23pp Dwg.No.0/9

Abstract (Equivalent): GB 2183186 B

A refractory valve plate for a sliding gate valve, the plate having two flow openings therein, the plate surface being defined when viewed

perpendicular to the said surface, substantially by three straight sections which lie on the three sides of an equilateral triangle and the centres of the two flow openings lying on respective bisectors of the triangle.

GB 2149888 B

A sliding gate valve for molten material including at least one fixed valve plate with a flow opening therein, a movable valve plate in sliding contact therewith which has two flow openings therein, one or more passive steering members arranged to guide the movable valve plate selectively in one of two directions, which passive steering members are movable when the valve is closed between two positions in which they guide the movable valve plate in the said two directions, respectively, whereby when a single linear drive means is connected to the movable plate it may move the latter selectively in either of the said two directions to bring one or other flow opening in the movable plate into **registry** with the flow opening in the or each fixed plate.a

Abstract (Equivalent): US 4601416 A

Sliding gate valve for the outlet of a metallurgical vessel is designed so that, in the closed position, guides provided in the housing and guides provided on the mounting frame for the slide plate can be repositioned in two guide tracks. The plate, linked to a linear drive, can thereby be moved from the closed position with one or other passage opening under the opening of the base plate.

ADVANTAGE - Two-hole outlet system is simplified and requires limited opening arrangements. (12pp)1

Derwent Class: M22; P53

International Patent Class (Additional): B22D-037/00; B22D-041/08; F16K-003/00

11/7/1 (Item 1 from file: 350)

DIALOG(R)File 350:DERWENT WPIX

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012615732 \*\*Image available\*\*

WPI Acc No: 1999-421836/199936

**On-board navigation system for motor vehicle**

Patent Assignee: RENAULT SA (RENA ); REGIE NAT USINES RENAULT (RENA )

Inventor: LETEMPLE J P; MOUSSA R; ROUSSEAU C; LETEMPLE J

Number of Countries: 020 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2772498	A1	19990618	FR 9715804	A	19971212	199936 B
WO 9931638	A1	19990624	WO 98FR2697	A	19981211	199936

Priority Applications (No Type Date): FR 9715804 A 19971212

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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FR 2772498	A1	25	G08G-001/0968		
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WO 9931638	A1 F		G08G-001/0968		
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Designated States (National): BR JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Abstract (Basic): FR 2772498 A1

NOVELTY - The navigation aid has a locating module, a traffic data receiver and a navigation **database** . The aid uses a permanent learning phase which automatically identifies parts of the route, and uses real-time traffic data sources to gather current traffic conditions. The route is stored as route sections traversed. Information is displayed to the driver in vocal, graphic or textual format.

USE - On-board navigation aids fitted to motor vehicles

ADVANTAGE - Allows easy designation of itinerary which can be stored permanently, and makes use of local traffic information to **suggest alternative** routes.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the system.

pp; 25 DwgNo 1/6

Derwent Class: S02; X22  
International Patent Class (Main): G08G-001/0968

11/7/2 (Item 2 from file: 350)  
DIALOG(R)File 350:DERWENT WPIX  
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012345788 \*\*Image available\*\*  
WPI Acc No: 1999-151895/199913

**Finding and correcting homonyms in dictated text - involves facilitating correction of text previously dictated into speech recognition system, highlighting words with homonyms, and displaying alternatives**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: IBMC

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RD 418064	A	19990210	RD 99418064	A	19990120	199913 B

Priority Applications (No Type Date): RD 99418064 A 19990120

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
RD 418064	A		1	G06F-000/00	

Abstract (Basic): RD 418064 A

The method is applied to words which sound similar, as well as to words which are true homonyms. Text, previously dictated into a speech recognition system, containing homonyms is displayed, with the homonyms highlighted. Similar sounding words are displayed as **suggested alternatives**, from a **database**.

ADVANTAGE - Prevents mix ups with dictated words.

Dwg.1/1

Derwent Class: T01

International Patent Class (Main): G06F-000/00

11/7/3 (Item 3 from file: 350)  
DIALOG(R)File 350:DERWENT WPIX  
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012202417 \*\*Image available\*\*  
WPI Acc No: 1999-008523/199901

**System for processing data relating to drug usage by patient - gives information on drugs available, drug cost, and side effects, uses patient data to determine most suitable drug and dosage**

Patent Assignee: MULTUM INFORMATION SERVICES (MULT-N)

Inventor: AUSTIN J L; AWEEKA F T; GAMBERTOGLIO J G; HEILAND C D; MCNAMARA T J; SCHRIER D M; SCHRIER R W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5833599	A	19981110	US 93167286	A	19931213	199901 B
			US 96629763	A	19960409	

Priority Applications (No Type Date): US 93167286 A 19931213; US 96629763 A 19960409

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5833599	A		43	A61B-005/00	Cont of application US 93167286

Abstract (Basic): US 5833599 A

A system processes data relating to the use of an index drug. The index drug is identified together with a **database** which gives information about the index drug and other chemically distinct drugs. A patient profile is also accessed. This contains information about the patient's age, kidney function, liver function and the clinical condition for which the index drug would be used. The drug **database**

and patient profile are used to calculate a dosage recommendation for the index drug. The **database** can be used to calculate a cost per unit time of treatment for the index drug and for the chemically distinct drug.

USE - For providing patient-specific drug information.

ADVANTAGE - The system can optimise drug usage for a specific patient, and supply warnings of possible side-effects and allergic reactions. **Alternative** cheaper drugs can be **recommended**.

Dwg.1/22

Derwent Class: B07; P31

International Patent Class (Main): A61B-005/00

11/7/4 (Item 4 from file: 350)

DIALOG(R)File 350:DERWENT WPIX

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008455091 \*\*Image available\*\*

WPI Acc No: 1990-342091/199046

**Expert system directly maintaining remote telephone switching systems - accesses fault report from service centre, makes computer diagnosis and clears fault or reports it to technician**

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT )

Inventor: DANIEL W F; LOEB K C; ROUSH C S

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2002018	A	19900831	CA 2002018	A	19891101	199046 B
US 4972453	A	19901120	US 89317232	A	19890228	199049
CA 2002018	C	19940531	CA 2002018	A	19891101	199427

Priority Applications (No Type Date): US 89317232 A 19890228

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CA 2002018	C		H04M-003/10	

Abstract (Basic): CA 2002018 A

The expert system accesses a fault report from a centralised service reporting centre and establishes a data connection to the computer system reporting the fault, invoking diagnostic routines on the computer system to gather data about the reported fault. The data is analysed and, if appropriate the reported fault cleared from the computer system.

If the fault cannot be cleared, the expert system **recommends** maintenance procedures and **replacement** parts for a technician who the expert system dispatches to the remote computer. The recommendations are based on field experience stored in rules and **databases** maintained by the expert system. When the remote computer system is controlling a customer switching Private Branch Exchange (PBX), the expert system only invokes testing procedures in the computer system which do not disrupt stable telephone calls. The expert system accesses the PBX via the public telephone network.

USE - Autonomous expert system for directly maintaining remote computer systems by directly accessing, diagnosing, and clearing fault conditions on those computer systems. (51pp Dwg.No.1/36

Abstract (Equivalent): US 4972453 A

The autonomous expert system directly maintains remote computer systems by directly accessing the remote computer systems, diagnosing, and clearing fault conditions on those computer systems.

The expert system performs those functions by first accessing a fault report from a centralised service reporting centre, establishing a data connection to the computer system reporting the fault, invoking diagnostic routines on the computer system to gather data about the reported fault, analysing the data, and if appropriate, clearing the reported fault from the computer system.

If the fault cannot be cleared, the expert system **recommends** maintenance procedures and **replacement** parts for a technician who the expert system dispatches to the remote computer. The recommendations

are based on field experience stored in rules and databases maintained by the expert system.

When the remote computer system is controlling a customer switching system (PBX), the expert system only invokes testing procedures in the computer system which do not disrupt stable telephone calls.

The expert system access the PBX via the public telephone network.

(37pp

Derwent Class: T01; W01

International Patent Class (Main): H04M-003/10

11/7/5 (Item 5 from file: 350)

DIALOG(R) File 350:DERWENT WPIX

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004315227

WPI Acc No: 1985-142105/198524

**Slide casting gate with two holes - having linear drive and passive rotating framework to ensure easy movement**

Patent Assignee: STOPINC AG (STOQ )

Inventor: ARNOLD G; FRICKER R; SCHILTKNEC B; TROXLER B

Number of Countries: 013 Number of Patents: 019

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 3433558	A	19850605	DE 3433558	A	19840913	198524	B
GB 2149888	A	19850619	GB 8429024	A	19841116	198525	
FR 2555081	A	19850524	FR 8417457	A	19841115	198526	
SE 8405747	A	19850519				198527	
ZA 8408971	A	19850521	ZA 848971	A	19841116	198535	
JP 60174251	A	19850907	JP 84242595	A	19841119	198542	
ES 8506873	A	19851116				198609	
DE 3433558	C	19860731				198631	
US 4601416	A	19860722	US 84668823	A	19841106	198632	
GB 2183186	A	19870603	GB 8628326	A	19861127	198722	
GB 2149888	B	19880106				198801	
GB 2183186	B	19880106				198801	
CH 663366	A	19871215				198803	
CA 1234490	A	19880329				198817	
CH 665977	A	19880630				198828	
JP 88030104	B	19880616				198828	
SU 1373304	A	19880207	SU 3812263	A	19841112	198834	
AT 8403606	A	19890115				198908	
IT 1178614	B	19870909				199035	

Priority Applications (No Type Date): CH 843900 A 19840814; CH 836201 A 19831118; US 84668823 A 19841106

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3433558	A	23		

Abstract (Basic): DE 3433558 A

Tapping gate for molten metal comprising a fixed seal plate and a movable seal plate with two openings and a sealing region whereby the drive mechanism to move the movable plate consists of a linear drive and passive rotating framework which together guide the seal plate along one of the two directions (x,y) to line up one of the two openings to commence casting.

Pref. the passive framework moves from one position (a) to another (b) when movement is from (x) to (y). Angle between (x and y) is 60 deg. The intersection through the centre of the two openings defines the sealing region. The guiding means are formed from two guide arms which move between restricted limits and work with four guide surfaces acting in pairs and parallel. **Alternatively**, the guide means can be two pairs of slits with flanks into which pins slot, these pins being fixed to the holding frame of the movable plate. Another alternative is a movable plate with holes in the holding framework in which the moving plate is located. Centre of radius of the two curves (x,y), which pass through the openings correspond to these holes and by

alternately fixing from one hole each opening can be brought in to casting position.

ADVANTAGE - Device is of simple construction and the drive mechanism is inexpensive.

0/9

Abstract (Equivalent): DE 3433558 C

Tapping gate for molten metal comprising a fixed seal plate and a movable seal plate with two openings and a sealing region whereby the drive mechanism to move the movable plate consists of a linear drive and passive rotating framework which together guide the seal plate along one of the two directions (x,y) to line up one of the two openings to commence casting.

Pref. the passive framework moves from one position (a) to another (b) when movement is from (x) to (y). Angle between (x and y) is 60 deg. The intersection through the centre of the two openings defines the sealing region. The guiding means are formed from two guide arms which move between restricted limits and work with four **guide** surfaces acting in pairs and parallel. **Alternatively**, the **guide** means can be two pairs of slits with flanks into which pins slot, these pins being fixed to the holding frame of the movable plate. Another alternative is a movable plate with holes in the holding framework in which the moving plate is located. Centre of radius of the two curves (x,y), which pass through the openings correspond to these holes and by alternately fixing from one hole each opening can be brought in to casting position.

ADVANTAGE - Device is of simple construction and the drive mechanism is inexpensive. (23pp Dwg.No.0/9

Abstract (Equivalent): GB 2183186 B

A refractory valve plate for a sliding gate valve, the plate having two flow openings therein, the plate surface being defined when viewed perpendicular to the said surface, substantially by three straight sections which lie on the three sides of an equilateral triangle and the centres of the two flow openings lying on respective bisectors of the triangle.

GB 2149888 B

A sliding gate valve for molten material including at least one fixed valve plate with a flow opening therein, a movable valve plate in sliding contact therewith which has two flow openings therein, one or more passive steering members arranged to guide the movable valve plate selectively in one of two directions, which passive steering members are movable when the valve is closed between two positions in which they guide the movable valve plate in the said two directions, respectively, whereby when a single linear drive means is connected to the movable plate it may move the latter selectively in either of the said two directions to bring one or other flow opening in the movable plate into **registry** with the flow opening in the or each fixed plate.a

Abstract (Equivalent): US 4601416 A

Sliding gate valve for the outlet of a metallurgical vessel is designed so that, in the closed position, guides provided in the housing and guides provided on the mounting frame for the slide plate can be repositioned in two guide tracks. The plate, linked to a linear drive, can thereby be moved from the closed position with one or other passage opening under the opening of the base plate.

ADVANTAGE - Two-hole outlet system is simplified and requires limited opening arrangements. (12pp)1

Derwent Class: M22; P53

International Patent Class (Additional): B22D-037/00; B22D-041/08; F16K-003/00

?

File 256:SoftBase:Revi,Companies&Prods. 85-2000/Jul

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File 278:Microcomputer Software Guide 2000/Jul

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Set	Items	Description
S1	52	(SUGGEST? OR ADVICE? OR ADVISE? OR RECOMMEND? OR GUIDE?) (-N4) (ALTERNATIVE? OR ANOTHER?(N2)PRODUCT? OR ANOTHER?(N2)ITEM? OR SUBSTITUTION? OR REPLACEMENT? OR SUBSTITUTE?)
S2	839	(PURCHAS? OR TRANSACTION? OR SHOPPING? OR BUYING? ) (N3) (-GIFT? OR ITEM? OR MERCHANDISE? OR RETAIL? OR PRODUCT?)
S3	1	S1 (N5) (VENDOR? OR SALESPERSON? OR MERCHANT?)
S4	1	S1 (N10) (DATABASE? OR REGISTRY? OR INTERACTIVE?(N4)SYSTEM? OR GIFT(N4)SYSTEM?)
S5	50	(PURCHAS? OR PAYMENT? OR BOUGHT OR BUY? ) (N10) ((MULTIPL? OR NUMBER? OR PLURALITY? OR MULTITUD? OR NUMEROUS?) (N5) (PURCHASER? OR BUYER? OR CUSTOMER? OR CONSUMER? OR PATRON? OR GUEST? OR HOUSEHOLD?))
S6	7	S5 AND (DATABASE? OR REGISTRY? OR INTERACTIV?(N3)SYSTEM? OR GIFT?(N3)SYSTEM?)
?		



File 77:Conference Papers Index 1973-2000/Jul  
(c) 2000 Cambridge Sci Abs  
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File 583:Gale Group Globalbase(TM) 1986-2000/Aug 18  
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File 233:Internet & Personal Comp. Abs. 1981-2000/Jul  
(c) 2000 Info. Today Inc.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2000/Jul  
(c) 2000 The HW Wilson Co.

Set	Items	Description
S1	5946	(SUGGEST? OR ADVICE? OR ADVISE? OR RECOMMEND? OR GUIDE?) (-N4) (ALTERNATIVE? OR ANOTHER?(N2)PRODUCT? OR ANOTHER?(N2)ITEM? OR SUBSTITUTION? OR REPLACEMENT? OR SUBSTITUTE?)
S2	7547	(PURCHAS? OR TRANSACTION? OR SHOPPING? OR BUYING? ) (N3) (-GIFT? OR ITEM? OR MERCHANDISE? OR RETAIL? OR PRODUCT?)
S3	13	S1 (N5) (VENDOR? OR SALESPERSON? OR MERCHANT?)
S4	25	S1 (N10) (DATABASE? OR REGISTRY? OR INTERACTIVE?(N4)SYSTEM? OR GIFT(N4)SYSTEM?)
S5	772	(PURCHAS? OR PAYMENT? OR BOUGHT OR BUY? ) (N10) ((MULTIPL? OR NUMBER? OR PLURALITY? OR MULTITUD? OR NUMEROUS?) (N5) (PURCHASER? OR BUYER? OR CUSTOMER? OR CONSUMER? OR PATRON? OR GUEST? OR HOUSEHOLD?))
S6	12	RD S3 (unique items)
S7	24	RD S4 (unique items)
S8	22	S5 AND (DATABASE? OR REGISTRY? OR INTERACTIV?(N2)SYSTEM? OR GIFT?(N4)SYSTEM?)
S9	22	RD (unique items)
?		

File 348:European Patent 1978-2000/Aug W02

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File 349:PCT Fulltext 1983-2000/UB=20000810, UT=20000727

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Set	Items	Description
S1	6558	(SUGGEST? OR ADVICE? OR ADVISE? OR RECOMMEND? OR GUIDE?) (-N4) (ALTERNATIVE? OR ANOTHER?(N2)PRODUCT? OR ANOTHER?(N2)ITEM? OR SUBSTITUTION? OR REPLACEMENT? OR SUBSTITUTE?)
S2	3904	(PURCHAS? OR TRANSACTION? OR SHOPPING? OR BUYING? ) (N3) (-GIFT? OR ITEM? OR MERCHANDISE? OR RETAIL? OR PRODUCT?)
S3	4	S1 (N5) (VENDOR? OR SALESPERSON? OR MERCHANT?)
S4	26	S1 (N10) (DATABASE? OR REGISTRY? OR INTERACTIVE?(N4)SYSTEM? OR GIFT(N4)SYSTEM?)
S5	769	(PURCHAS? OR PAYMENT? OR BOUGHT OR BUY? ) (N10) ((MULTIPL? OR NUMBER? OR PLURALITY? OR MULTITUD? OR NUMEROUS?) (N5) (PURCHASER? OR BUYER? OR CUSTOMER? OR CONSUMER? OR PATRON? OR GUEST? OR HOUSEHOLD?))
S6	65	S5 AND GIFT?
S7	5	S1(S)S2
S8	11	S5(S)GIFT?
?		

4/7,K/21 (Item 4 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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02194930 SUPPLIER NUMBER: 20631120 (THIS IS THE FULL TEXT)  
Going to the Chapel.(Wedding Channel, Wedding Network, American Bridal  
Registry online bridal registries) (Company Business and Marketing)  
Cohen, Emily  
PC Magazine, v17, n12, p40(1)  
June 30, 1998

TEXT:

No one wants to spend another wedding season trudging around crowded department stores and waiting in line to buy the last, most expensive gift on a couple's wedding registry. One of these online gift registries can help streamline the process of selecting and buying gifts.

TheWeddingChannel ([www.weddingchannel.com](http://www.weddingchannel.com)) is an interactive retail-shopping service and **gift registry** that lets couples post **gift selections** and lets wedding guests **purchase** those gifts online. Brides and bridegrooms choose from thousands of products in the site's virtual storefront, browsing by department or searching by product feature (such as manufacturer, color, or category). Guests then access the couple's personalized "Our Wedding" page to **purchase** gifts online.

From Internet **Gift Registries** comes The Wedding Network ([www.weddingnetwork.com](http://www.weddingnetwork.com)), an online retail catalog and bridal **registry** published in partnership with Modern Bride magazine. Couples **select** items from a list of online retailers. Guests view photos of the **selected** gifts on the **registry** and **purchase** them from the Web site.

American Bridal **Registry** ([www.abregistry.com](http://www.abregistry.com)) lets couples use their favorite catalogs, stores, and shopping services to maintain an online **registry**. You can **select** gifts off-line or with a provided list of traditional wedding-**gift** manufacturers, **gift** shops, wedding services, and Internet malls. Brides and bridegrooms supply the site with ordering information for gifts listed in the **registry**, and guests place orders by phone. To keep the **registry** current, buyers must inform the site of their **purchases** as they make them.

WEDDING BELLS AND BAUBLES: Register and buy wedding presents online at the Wedding Channel.

06814212/9

DIALOG(R) File 148:Gale Group Trade & Industry DB  
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06814212 SUPPLIER NUMBER: 14296063 (THIS IS THE FULL TEXT)

**Bridal business can be the icing on your cake; it's a \$32 billion industry, and with an in-store bridal registry, some of it can be yours. (includes related article on how one store operates a bridal registry) (Cover Story)**

Smutko, Liz; Cory, Jim

Chilton's Hardware Age, v230, n11, p33(3)

Nov, 1993

DOCUMENT TYPE: Cover Story ISSN: 8755-254X LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2159 LINE COUNT: 00161

**ABSTRACT:** Home Depot was the first in the hardware industry to offer its customers a bridal/gift registry, but the idea is catching on fast. Approximately \$32 billion is spent annually on wedding-related items and as social fashions change, the things most wanted by newly married couples today are likely to be household or garden items, such as rakes, power tools or gas grills. For retailers, computerization of the service is helpful, and a specific area in the store dedicated to the registry is necessary. Absolutely essential is advertising, and retailers should keep their registry records for future marketing use.

**TEXT:**

Before walking down a church aisle on her father's arm, surrounded by loved ones, a bride-to-be should be walking down your store aisles with a checklist in her arms surrounded by merchandise she'd love to have. That checklist she's carrying should be a part of your store's bridal registry.

It might sound far-fetched - a bridal registry in your hardware store or home center. Tradition holds that brides register for place settings, china, formal accessories and housewares. And that they register in department stores.

Now, though, bridal registry in hardware stores and home centers is on the rise. Ace Hardware Corp. and Cotter & Co. have programs in place to help retailers successfully implement a plan of action. Hardware Wholesalers, Inc. (HWI), does not yet have a bridal-registry program for its retailers, but one is in the planning stages. Servistar Corp. is also planning a registry, but prefers to term it a gift registry, rather than bridal.

"We think that calling it only a bridal registry limits its use in the mind of the consumer," says Connie Dick of Servistar's public relations department. "We want a couple to register for things they need, rather than just a bride."

It's no surprise that the hardware industry is trying to get in on the windfall that weddings can bring.

By starting and maintaining a bridal registry, hardware stores and home centers can carve out a slice of the annual estimated \$32 billion spent on wedding-related retail purchases.

"It's a niche market," says Barbara Anderson, housewares merchandising manager for Cotter & Co. "And highly service-oriented. It gives members a big advantage over discount competitors." In addition, it can build customer loyalty and bring new patrons to your store.

While that dollar figure should be enough incentive for you to try to capture part of the market, economic and lifestyle factors make the task easier. More grooms are accompanying brides into stores to register, says Anderson. They're also exerting more influence as to where the couple registers. While home centers and hardware stores will never replace registrations at the big department stores, they can be used as an additional gift resource.

"We sell some hand and power tools in addition to the more expected pots and pans," says Fred Knutson, co-owner of Porterville Hardware Co., in Porterville, CA. "It makes buying gifts for the couple a little more fair, because the groom gets something he can use, too."

Another demographic factor steering couples toward using your service is that the average age at which people get married for the first time has advanced, according to the U.S. census. That means that some have probably

been living on their own for several years, and that their household needs, such as everyday dishes, glassware and cookware, have already been met. They may choose to upgrade, however, so stock some finer everyday dishes and flatware if you can.

"We do well with Mikasa and Noritake china, and we've also started carrying Pfaltzgraf," says Knutson. "We've upgraded our flatware, carrying Oneida, and we also have a full line of Revere pots and pans." These high-quality brands help Knutson compete with the department stores for wedding business, he says.

The instances of second marriages have also increased. Again, basic living needs have likely been satisfied, but couples may be in the market for something that is theirs, rather than a vestige of their previous involvements.

The modern shift toward more casual lifestyles has made formal silver and china services - a traditional registry mainstay - less of a priority.

"The gifts people can get here are sensible," says Loretta Heuchert, gift registry manager at The Estate of George S. Snyder, Inc., a Hatfield, PA, home center. "This is especially appealing in today's economy, when people want good value for their money. And that means a practical gift."

The kind of merchandise that gives good value includes cookware, small power tools, lawn and garden equipment, small appliances and barbecue grills, according to retailers.

"Ladders are also surprisingly strong for our registry," says Heuchert. "We find that people are marrying at a later age, and are more likely to be moving into a new house than younger couples. And while they may have the dishes and pans, they don't have things like shovels, rakes, ladders and gas grills."

Gift registries in hardware stores and home centers is a relatively new method of marketing, and one that directly answers customer demands. The first nationwide home center effort began in 1991 when Home Depot began its registry program in response to customer requests. It tested the concept in a Miami store, and as it succeeded there, all its Miami-area stores were included. The whole chain soon offered the service.

Other retailers and wholesalers have followed Home Depot's lead. A very few, though, have been quietly pursuing wedding business for years.

Porterville Hardware has had a bridal registry since 1971. "The idea came from our customers," says co-owner Knutson. "And it's paid off."

What these stores have found is that registries bring in new customers. Even if the bride and groom are familiar with your establishment, there are probably family members and friends who are not. If their initial shopping experience is good when they come to purchase gifts for which the couple registered, they'll be back as regular customers. As an added benefit to your business, the registry and its users can provide you with additions to your mailing list.

A registry can be an organizational nightmare, however, and this is where computers can help, says Heuchert.

"We're computerized, so it keeps all the information straight," she says. "It helps avoid selling two of the same gift, and makes the returns easier because we can track them quickly."

If you don't have the capability to computerize your files, at least keep them clean and up-to-date with a master sheet for each registrant. When a gift is purchased from the list, write it down immediately. Cotter advises its members to put one individual in charge of the registry to ensure that the record-keeping remain consistent.

This doesn't mean that only one person should be involved, but do consider designating a point person for the project. In addition, there should always be one person in the store who is familiar with the registry program. Potential customers can come in at any time, and should be able to either register themselves on the spot or make an appointment to register. Friends and family members should be able to consult the gift list with help from a knowledgeable member of the store's staff.

Set aside a specific space for the registry area so that customers can find it. In larger stores, use an alcove or office to provide a quiet place to explain the service.

Having a dedicated registry area is also a way to advertise the registry in the store. Customers who are already familiar with your merchandise will be more inclined to register.

Advertising outside of the store is also necessary. One of the best

ways to reach your target market is to exhibit at local bridal shows. These most often are held in late winter or early spring. Other exhibitors will be merchants involved in the wedding business, such as bakeries, department stores and bridal shops.

"Our store sets up a booth at the local show," says Knutson. "We display things like our dishes, flatware, cookware and small hand tools. These events are definitely directed at the female market, so we play to that in the booth display."

Another method involves scanning the Sunday engagement announcements and tracking down the address of the bride, groom, or their parents. It can be as simple as looking in the phone book. Then send a short letter of congratulations inviting the couple to register at your store. Once the bride-to-be is in your door, the process becomes very service-intensive.

"We meet the bride at the door," says Snyder's Heuchert. "And then we explain the service and find out what she wants and needs. If she's alone, one of our girls will stay with her throughout the store. If she's with her mother or her fiancé, we point them in the right direction, then let them walk around and discuss things as they write down the items on the sheet."

The service commitment a registry requires continues when dealing with the couple's family and friends. Be prepared to work with them to find a gift at your store that's within their price range.

For more expensive gifts, such as gas grills or large appliances, a group buy can be arranged. Gift buyers merely pay a set sum toward the purchase, and the amount and the giver's name is recorded.

"We had a woman who wanted an expensive garden ornament," says Heuchert. "It was really the only thing she wanted, so we worked it out so that people could contribute toward that item."

Retailers also recommend keeping your bridal-customer files. "We've had people come in several years later to buy anniversary gifts," says Knutson. "We still have information as to what the couple wants, and if the couple already has the item, we can take it back without a receipt because we have our record of the sale in the file."

Keep the wedding date in mind, too, advises Heuchert.

"I make a note of it so I can send the couple a card on their first anniversary," she says. "Nothing about the store, just to wish them well. It reminds them that we're here. I usually see them not long after that. Most of our couples come back because of the service we offer. Once they use our registry, they're ours forever."

Registry a Natural for Small-Town Retailer in New England

Two years ago, Charles Heyman, manager of Washington Supply Co., a 100-year-old hardware and lumber operation in Washington Depot, CT, which started as a farmers' cooperative, got the idea to begin registering customers for wedding gifts.

Heyman says the idea was suggested by a local newspaper advertising rep.

"I thought, Why not? We can cover the range of gifts from A to Z, housewares to tools."

Heyman says he figured "all the guys have a wish list of things they want from a hardware store. Even gals. We have one who's very up-to-date on construction."

So Washington Supply set up its registry in a ledger book. "Triad doesn't have that in their software yet," says Heyman.

In the last two years, the store - an institution in this dot on the map of Connecticut - has provided wedding gifts primarily for second marriages, which seem to be the most common kind, locally.

"They've got the silver and the place settings for 12," says store employee Jay Combs. "It's the practical things people are interested in."

Wedding gifts people have selected at Washington Supply include hand and power saws, drills, routers, picnic tables and, most recently, a hammock. Oh yes, and 250 ft of wire for rewiring a house.

The store's procedure, according to Heyman, is to have a couple "come in and open their page in the ledger book. They give us a list of anywhere from eight to 10 items, and then we check it off" as the gifts are bought.

Since weddings in the tiny town are rare, the bridal registry service hasn't been overwhelmed.

"We've had maybe eight since we started the thing," say Heyman.

But it so happens, he says, that the least successful wedding produced the store's most successful registry.

"He and his wife-to-be came in," says Heyman, "and set up a gift account. They asked people to send payments here, that would be credited to their account. Then they bought against it. They had about 35 people send in checks. They were up to about \$1,500."

Most of the money was spent by the groom, primarily for "construction materials" to fix up the house the couple were living in.

"Some lumber, wire, nuts and bolts," says Heyman.

The marriage, however, lasted all of six days.

"She came in two days before the wedding to find out how much was in the account," says Heyman. "There was \$1,200. She said, 'Oh, this is wonderful.' But I guess being his Mrs. wasn't."

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SPECIAL FEATURES: illustration; photograph

COMPANY NAMES: Home Depot Inc.--Services

INDUSTRY CODES/NAMES: CNST Construction and Materials

DESCRIPTORS: Gift registries--Management; Hardware industry--Services;  
Home center stores--Services

SIC CODES: 5211 Lumber and other building materials; 5251 Hardware stores; 5231 Paint, glass, and wallpaper stores; 3420 Cutlery, Handtools, and Hardware; 5200 BUILDING MATERIALS & GARDEN SUPPLIES

TICKER SYMBOLS: HD

FILE SEGMENT: TI File 148